IN THE CLAIMS:

A complete listing of the claims and their status as of this Amendment is as follows:

1.(Currently amended) An impeller suitable for use in a centrifugal pump, for handling liquid mixtures containing particulate solids the impeller including a shroud having opposed faces, an outer peripheral edge portion and a rotation axis, a plurality of pumping vanes on one of the faces of the shroud and extending away from the rotation axis each pumping vane having an outer peripheral edge portion, and a plurality of auxiliary vanes on the other face of the shroud, the auxiliary vanes of each having an outer edge portion wherein the dimension Da from the rotation axis to the outer peripheral edge portion of the shroud is greater than the dimension from the rotation axis to outer edge portion of the auxiliary vanes Db and is greater than the dimension Dc from the rotation axis to the outer peripheral edge portion of the pumping vanes.

Claim 2 (Cancelled)

- 3.(Currently amended) An impeller according to claim 2 1 wherein said shroud is a back shroud.
- 4.(Original) An impeller according to claim 3 wherein the impeller further includes a front shroud, the pumping vanes being between the front and back shrouds and the auxiliary vanes being on the other face of one of the shrouds.
- 5.(Original) An impeller according to claim 3 wherein the impeller further includes a front shroud, the pumping vanes being between the front and back shrouds and the auxiliary vanes being on the other face of each of the shrouds.
- 6.(Original) An impeller according to claim 4 wherein the dimension Da of the front shroud is greater than the dimensions Db and Dc.

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- 7.(Original) An impeller according to claim 4 wherein the dimension Da of the back shroud is greater than the dimensions Db and Dc.
- 8.(Original) An impeller according to claim 4 wherein the dimension Da of the front and back shrouds is greater than the dimensions Db and Dc.
- 9.(Original) An impeller according to claim 5 wherein the dimension Da of the front shroud is greater than the dimensions Db and Dc.
- 10.(Original) An impeller according to claim 5 wherein the dimension Da of the back shroud is greater than the dimensions Db and Dc.
- 11.(Original) An impeller according to claim 5 wherein the dimension Da of the front and back shrouds is greater than the dimensions Db and Dc.
- 12.(Original) An impeller according to claim 6 wherein Db and Dc are substantially the same.
- 13.(Original) An impeller according to claim 12 wherein Db and Dc are within 5% of each other.
 - 14.(Original) An impeller according to claim 13 wherein Db is less than 0.95 Da.
- 15.(Original) An impeller according to claim 14 wherein Db/Da is from 0.65 to 0.95.
- 16.(Original) An impeller according to claim 14 wherein Db/Da is from 0.65 to 0.9.